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Title: **JP7137140A2: INDUCTION HEATER**

Country: **JP** Japan  
Kind: **A**

Inventor(s): **NAKAHARA TSUTAE**  
**WATANABE IKUJI**

Applicant/Assignee: **ADOHEYA SANSHO KK**  
**YUASA TSUSHINKI KOGYO KK**  
News, Profiles, Stocks and More about this company

Issued/Filed Dates: **May 30, 1995 / Nov. 16, 1993**

Application Number: **JP1993000311128**

IPC Class: **B29C 65/50; B29C 65/36; B29C 65/40; C09J 5/06;**  
**H05B 6/06; B29L 31/58;**

Priority Number(s): **Nov. 16, 1993 JP1993000311128**

Abstract:

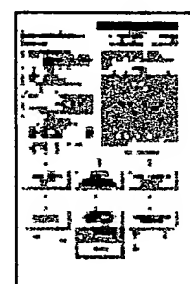


**Purpose:** To prevent breakdown of an output circuit from occurring owing to abnormal high voltage in an induction heater for melting an adhesive by induction heating of a conductive base material of an adhesive tape when end parts of a plurality of carpets laid on a floor are bonded to each other by using the adhesive tape so structured that a hot melt type adhesive is applied onto a surface of the conductive base material.  
**Constitution:** An overvoltage protective circuit 14 which stops oscillation of an oscillating circuit 8 when back electromotive force generated in a heating coil L becomes at least a specific value, and an overcurrent protective circuit 15 which intercepts output of the oscillating circuit 8 to the output transistor when a current flowing to the output transistor of an output circuit 10 becomes at least a specific value, are incorporated into an apparatus body to prevent breakdown of the output transistor from occurring owing to abnormal high voltage and overcurrent.  
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Family: Show known family members

Other Abstract Info: **DERABS C95-227939 DERC95-227939**

Foreign References: **No patents reference this one**



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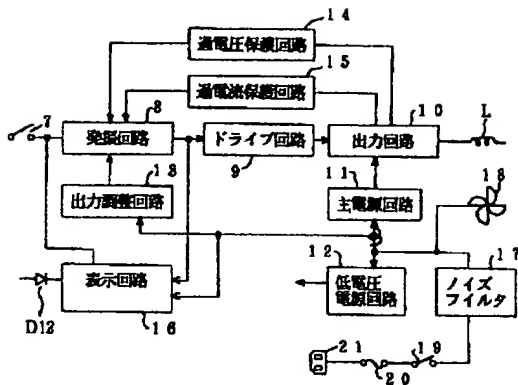
【符号の説明】

- 1 床面
- 2 カーペット
- 3 接着テープ
- 4 誘導加熱装置
- 5 導電性基材
- 6 接着剤層
- 8 発振回路
- 9 ドライブ回路

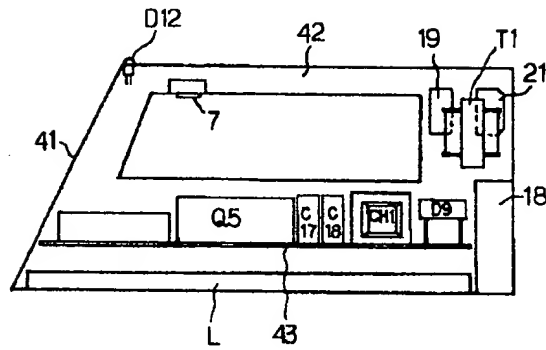
- 10 出力回路
- 11 主電源回路
- 12 低電圧電源回路
- 13 出力調整回路
- 14 過電圧保護回路
- 15 過電流保護回路
- 16 表示回路
- Q5 出力トランジスタ
- L 加熱コイル

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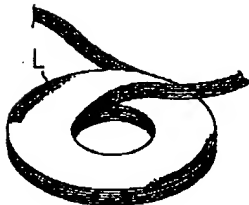
【図1】



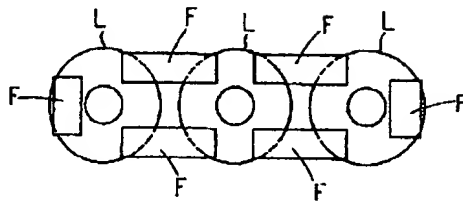
【図3】



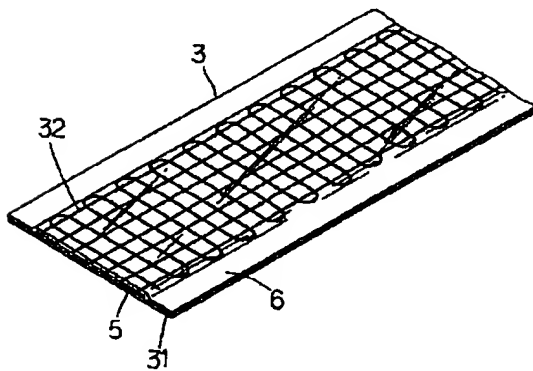
【図4】



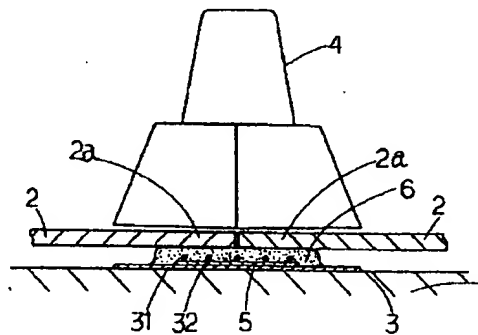
【図5】



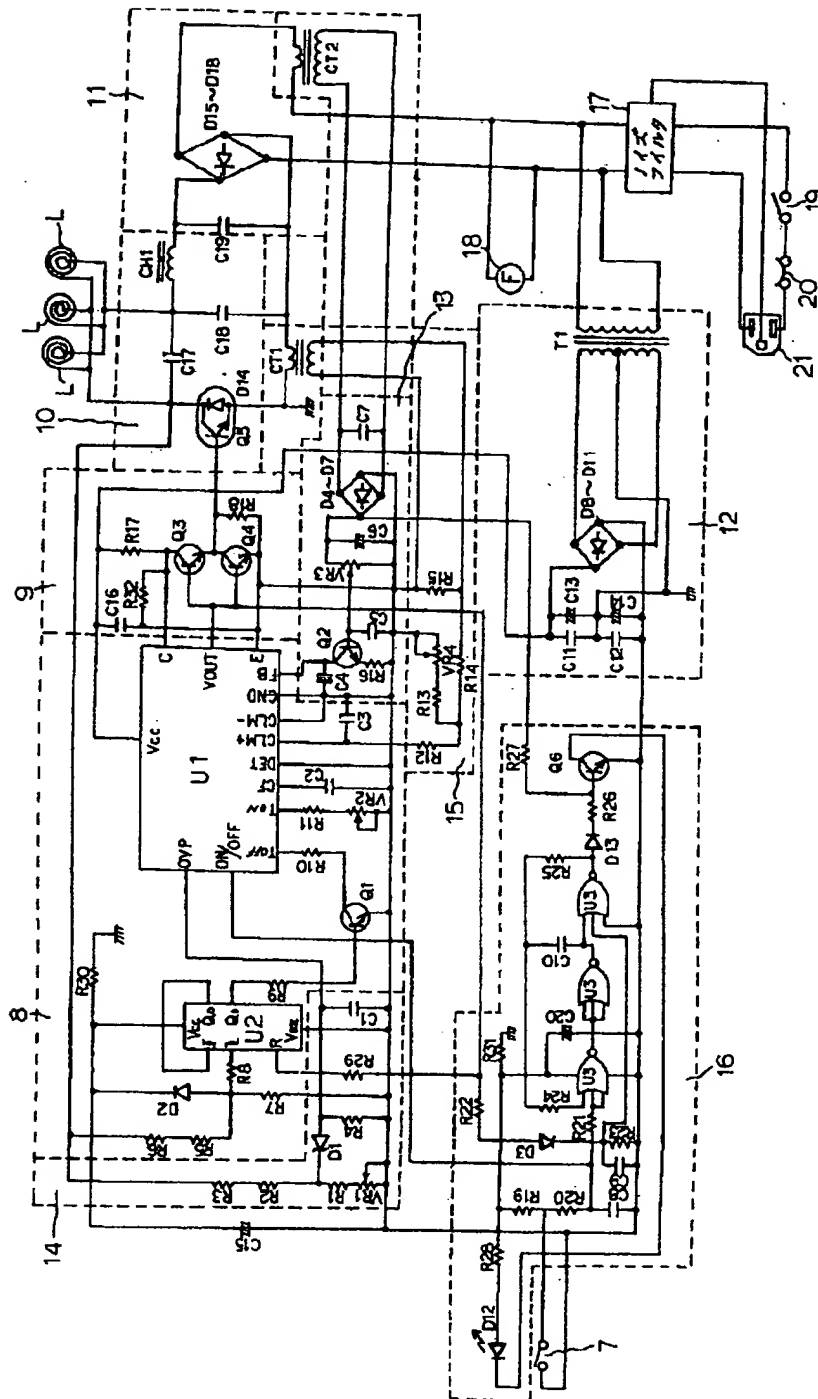
【図6】



【図7】



【図2】



(8)

特開平7-137140

フロントページの続き

(51)Int.Cl.<sup>6</sup>

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技術表示箇所